

Kobe Sarausad

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[Portfolio](#)

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Education

University of Washington
Bachelor of Science in Statistics
GPA: 3.55/4.00

Seattle, WA

June 2023

Relevant Coursework: Data Structures and Algorithms ([CSE 373](#)), Foundational Skills for Data Science ([INFO 201](#)), Statistical Computing ([STAT 302](#)), Elements of Statistical Methods ([STAT 311](#)), Data Science and Statistics for Social Science ([STAT 321](#))

Experience

Self-Employed
Private Tutor

Issaquah, WA

Jun 2021 – Present

- Taught Python data structures and the use of each structure
- Walked through the steps of data analysis using pandas and matplotlib (cleaning, summarizing, analyzing, and presenting)
- Used pandas and statsmodel libraries to teach the introduction on Linear Regression

Hybrid Architecture
Architect Intern

Seattle, WA

Jun 2018 – Sep 2018

- Organized and updated spreadsheets of materials used for projects using google sheets
- Documented the environment and surroundings of future project sites

Projects

- *Polarization of Congress* ([R](#))
 - Performed SVD analysis based on the roll calls of the 90th and 116th congress
 - Presented the analysis in a report format using ggplot and Rmarkdown
- *NFL Betting Dashboard* ([R](#))
 - Used R Shiny to build and deploy an interactive web dashboard for visualizing NFL betting/game data (plotly)
 - Utilized HTML and CSS for better interactivity and appearance
- *Sample R Package* ([R](#))
 - Consists of basic but useful Statistical functions (t-test, linear models, random forest cross-validation)
 - Built own unit tests with 100% Coverage on Codedev
- *Sports Data Visualizations* ([R](#))
 - Analyzed play-by-play data from NFL and MLB using nflfastR and baseballR
 - Used dplyr to clean and analyze the data, tidymodels to create models, and ggplot/plotly to visually present the data (posted onto [Twitter](#))

Skills

- Software Tools: Rstudio, Terminal, Eclipse, Jupyter Notebook, Virtual Studio Code, Atom, Tableau, Adobe Photoshop, Adobe Lightroom
- Computing:
 - Proficient: R
 - Data Analysis: tidyverse, hypothesis testing, statistical prediction, principal component analysis
 - Reporting: ggplot2, RMarkdown, Shiny, kableExtra
 - Development: R package development, unit testing, code coverage, version control via GitHub
 - [Basic/Familiar]: git, bash, Python, Java, HTML, CSS, JavaScript, SQL